

April 3, 2002

PRELIMINARY AMENDMENT
Patent Application
Docket No. GJE-89

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Daniel Henry Densham
Docket No. : GJE-89
For : DNA Sequencing Method

Box PCT
Assistant Commissioner for Patents
Washington, D.C. 20231

A10/B
Plunkett
A11/03

PRELIMINARY AMENDMENT

Sir:

It is respectfully requested that the above-identified patent application be amended as follows:

In the Specification

After page 15: Please insert as new page 16 the attached Abstract of the Disclosure.

In the Claims

Please cancel claims 1-21, without prejudice.

Please add the following new claims 22-45:

22. A method for determining the sequence of a polynucleotide, comprising the steps of:
- i. reacting a target polynucleotide with an enzyme that is capable of interacting with and processing along the polynucleotide, under conditions sufficient to induce enzyme activity; and
 - ii. detecting conformational changes in the enzyme as the enzyme processes along the polynucleotide.